

Claims

What is claimed is:

1. A battery backup system for a sedation and analgesia system, said battery backup system comprising:
  - a. a battery;
  - b. a power source; and
  - c. a battery controller connected to said power source and said battery wherein said battery controller determines selection of said battery or said power source.
2. The battery backup system of claim 1 wherein said battery is made of lithium ion.
3. The battery backup system of claim 1 wherein said power source further comprises of an AC power input, an AC/DC converter, and a DC power supply.
4. The battery backup system of claim 3 wherein said AC power input is a 120V wall outlet.
5. The battery backup system of claim 3 wherein said AC/DC converter changes said AC power input to said DC power supply.
6. The battery backup system of claim 1 wherein said power source is connected unidirectional to said battery controller and said battery is connected bidirectional to said battery controller.

7. A battery backup system for a sedation and analgesia system, said battery backup system comprising:
  - a. a battery;
  - b. a power source wherein said power source further comprises of an AC power input, an AC/DC converter, and a DC power supply;
  - c. a battery controller connected to said power source and said battery wherein said battery controller determines selection of said battery or said power source.
8. The battery backup system of claim 7 wherein said battery is made of lithium ion.
9. The battery backup system of claim 7 wherein said AC power input is a 120V wall outlet.
10. The battery backup system of claim 7 wherein said AC/DC converter changes said AC power input to said DC power supply.
11. The battery backup system of claim 7 wherein said power source is connected unidirectional to said battery controller and said battery is connected bidirectional to said battery controller.
12. A method of supplying power to a sedation and analgesia system which comprises:
  - a. supplying power to said sedation and analgesia system from a power source;

- b. checking said power source for a disruption;
- c. supplying power to said sedation and analgesia system from a battery if said disruption occurs;
- d. switching back to said power source from said battery if said disruption is resolved.

13. A method of supplying power to a sedation and analgesia system recited in claim 12 wherein checking said power source for a disruption further includes sounding an alarm if said disruption occurs.

14. A method of supplying power to a sedation and analgesia system recited in claim 12 wherein supplying power to said sedation and analgesia system from a battery if said disruption occurs further includes checking said battery source for availability.

15. A method of supplying power to a sedation and analgesia system recited in claim 14 wherein checking said battery source for availability further includes shutting down said sedation and analgesia system if said battery source is unavailable.